

# SW218UHP

Ultra High Performance Subwoofer

# VAL audio

Die Liebe zur Musik



The SW218UHP is an ultra-high-power, large-format subwoofer engineered for large venues and outdoor events demanding extended, high-impact low-frequency reproduction down to 30Hz.

Designed for versatility, the SW218UHP can be deployed individually or arrayed in multiples, either horizontally or vertically, utilizing VAL's stacking system to ensure safe and secure stacking. Ground stacking is also compatible with VAL's Point Source (QX, ZX series) and Line Array (VLA, WP, WCX series) systems.

At its core, the SW218UHP houses two custom-engineered 18", 1500W RMS each, high-excursion drivers featuring 4.5" voice coils and die-cast aluminum frames. The direct radiating, bass-reflex cabinet design delivers a powerful, extended frequency response of 30Hz to 600Hz (-6dB), achieving a staggering peak SPL of 141dB.

The rugged enclosure is built for the rigors of touring and professional use, featuring a kick-resistant steel grille backed by reticulated foam, finished with a durable, textured, hard waterborne black coating. Two heavy-duty ergonomic handles per side ensure easy handling and transport.

Integrated rubber feet on multiple surfaces allow secure ground stacking in both

horizontal and vertical orientations, locking into place via recessed stacking cups.

Dual integrated top-hat pole mounts (horizontal and vertical) provide maximum flexibility for pole-mounting full-range loudspeakers directly above the SW218UHP.

The rear panel features a precision-engineered cast aluminum connection plate fitted with dual 4-pin speakON® connectors (input and link), wired +1/-1 for the subwoofer signal and pass-through on +2/-2.

## KEY FEATURES

- **High Power Handling:** 2800W RMS, 11200W Peak power handling
- **Extreme Low-End Performance:** 30Hz response for deep, impactful bass
- **Massive Output:** 141dB peak SPL for the most demanding environments
- **Custom High-Excursion Drivers:** Proprietary 18" transducers with 4.5" voice coils
- **Flexible Deployment:** Horizontal or vertical stacking with secure interlocking system
- **Road-Ready Construction:** Touring-grade build with kick-proof grille and heavy-duty finish
- **Pole-Mount Ready:** Dual top-hat mounts for ultimate system flexibility

## TECHNICAL SPECIFICATIONS

### Design

2 x 18" Subwoofer, Direct Radiating, Bass Reflex Subwoofer

### Impedance

4 Ohm

### Power Handling (AES)

2800 Watts (continuous)

### Max. Power Handling (AES)

5600 Watts (program)

11200 Watts (peak)

### Sensitivity 1W / 1m

101 dB

### Max. SPL

135 dB cont

141 dB peak

### Frequency Range (-6 dB)

30 Hz - 600 Hz

### Dispersion

Omni

## SYSTEM OPERATION

Recommended Amplification

2800 - 5600 Watts

### System Controller

VAL DSP Solutions

### Speaker Cables

Min - 2 x 4 mm<sup>2</sup>

Preferred - 2 x 6 mm<sup>2</sup>

## PRODUCT FEATURES

### Components

2 x 18" Low Frequency Driver

### Crossover

Active - LPF - 80 - 110 Hz

HPF - 30 Hz

### Connectors

2 x 4 pole speakON® connectors

### Dimensions (H x W x D mm)

1087 x 585 x 782

### Weight (kg)

116

### Shipping Weight (kg)

126 (1 cabinet per carton)

### Colour

Black

### Rigging

Foot and cup stacking system

## HARDWARE

Fitted as Standard

Foot and cups stacking system, Top hat, large metal handles.

### Additional Descriptive Data

Birch plywood construction, with durable scratch resistant black textured paint finish, kick-proof steel grille and black foam with VAL logo.

**Recommended filter settings are available on the website [valaudio.com](http://valaudio.com)**